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020304

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

|                               |  |
|-------------------------------|--|
| <i>Attorney Docket No.</i>    | 057-116  |
| <i>First Inventor</i>         | John SANTHOFF  |
| <i>Title</i>                  | Optimization of Ultra-Wideband Communication Through a Wire Medium |
| <i>Express Mail Label No.</i> | ER 746710147 US  |

10/17/2013

020304

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

|   |  |
|---|--|
| <p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)<br/><i>(Submit an original and a duplicate for fee processing)</i></p> <p>2. <input checked="" type="checkbox"/> Applicant claims small entity status.<br/>See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages <u>43</u>] <br/><i>(preferred arrangement set forth below)</i> <ul style="list-style-type: none"> <li>- Descriptive title of the invention</li> <li>- Cross Reference to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (<i>if filed</i>)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> </p> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <u>11</u>]</p> <p>5. Oath or Declaration [Total Sheets <u>2</u>]       <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</li> <li>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 18 completed)</i> <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br/>Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</li> </ul> </li> </ul> </p> <p>6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p> | <p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (<i>Appendix</i>)</p> <p>8. Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i> <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> Computer Readable Form (CRF)</li> <li>b. <input type="checkbox"/> Specification Sequence Listing on:           <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</li> <li>ii. <input type="checkbox"/> Paper</li> </ul> </li> <li>c. <input type="checkbox"/> Statements verifying identity of above copies</li> </ul> </p> |
|---|--|

**ACCOMPANYING APPLICATION PARTS**

|  |   |
|--|---|
| <p>9. <input type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))</p> <p>10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <i>(when there is an assignee)</i></p> <p>11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i></p> <p>12. <input checked="" type="checkbox"/> Information Disclosure Statement &amp; PTO/SB/08</p> <p>13. <input type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i></p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i></p> <p>16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.</p> <p>17. <input checked="" type="checkbox"/> Other: Check # 7823 in the amount of \$421.00.....</p> | <p><input type="checkbox"/> Copies of IDS Citations</p> |
|--|---|

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

Continuation       Divisional       Continuation-in-part (CIP)      of prior application No. 10/177,313.....

Prior application information:      Examiner To be assigned      Art Unit: 2631  
**For CONTINUATION OF DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.**

**19. CORRESPONDENCE ADDRESS**

Customer Number: \_\_\_\_\_ OR  Correspondence address below

|          |   |           |              |
|----------|---|-----------|--------------|
| Name     | Pulse-Link, Inc. (Attention: Steve Moore) |           |              |
| Address  | 1969 Kellogg Avenue                       |           |              |
| City     | Carlsbad                                  | State     | CA           |
| Country  | U.S.A.                                    | Telephone | 760.607.0844 |
| Zip Code | 92008                                     |           |              |
| Fax      |   |           |              |

|                   |                                   |
|-------------------|-----------------------------------|
| Name (Print/Type) | Registration No. (Attorney/Agent) |
| Signature         | Date                              |

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 421.00)

## Complete if Known

|                      |                  |
|----------------------|------------------|
| Application Number   | To be assigned   |
| Filing Date          | February 3, 2004 |
| First Named Inventor | John SANTHOFF    |
| Examiner Name        | To be assigned   |
| Art Unit             | To be assigned   |
| Attorney Docket No.  | 057-116          |

## METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money Order  Other  None

Deposit Account:

|                        |  |
|------------------------|--|
| Deposit Account Number |  |
| Deposit Account Name   |  |

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below  Credit any overpayments  
 Charge any fee(s) due during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity Small Entity

| Fee Code (\$) | Fee (\$) | Fee Code (\$) | Fee (\$) | Fee Description  | Fee Paid |
|---------------|----------|---------------|----------|--|----------|
| 1051          | 130      | 2051          | 65       | Surcharge - late filing fee or oath  |          |
| 1052          | 50       | 2052          | 25       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 1053          | 130      | 1053          | 130      | Non-English specification  |          |
| 1812          | 2,520    | 1812          | 2,520    | For filing a request for ex parte reexamination                            |          |
| 1804          | 920*     | 1804          | 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 1805          | 1,840*   | 1805          | 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 1251          | 110      | 2251          | 55       | Extension for reply within first month                                     |          |
| 1252          | 420      | 2252          | 210      | Extension for reply within second month                                    |          |
| 1253          | 950      | 2253          | 475      | Extension for reply within third month                                     |          |
| 1254          | 1,480    | 2254          | 740      | Extension for reply within fourth month                                    |          |
| 1255          | 2,010    | 2255          | 1,005    | Extension for reply within fifth month                                     |          |
| 1401          | 330      | 2401          | 165      | Notice of Appeal   |          |
| 1402          | 330      | 2402          | 165      | Filing a brief in support of an appeal                                     |          |
| 1403          | 290      | 2403          | 145      | Request for oral hearing   |          |
| 1451          | 1,510    | 1451          | 1,510    | Petition to institute a public use proceeding                              |          |
| 1452          | 110      | 2452          | 55       | Petition to revive - unavoidable   |          |
| 1453          | 1,330    | 2453          | 665      | Petition to revive - unintentional   |          |
| 1501          | 1,330    | 2501          | 665      | Utility issue fee (or reissue)   |          |
| 1502          | 480      | 2502          | 240      | Design issue fee   |          |
| 1503          | 640      | 2503          | 320      | Plant issue fee  |          |
| 1460          | 130      | 1460          | 130      | Petitions to the Commissioner  |          |
| 1807          | 50       | 1807          | 50       | Processing fee under 37 CFR 1.17(q)  |          |
| 1806          | 180      | 1806          | 180      | Submission of Information Disclosure Stmt                                  |          |
| 8021          | 40       | 8021          | 40       | Recording each patent assignment per property (times number of properties) |          |
| 1809          | 770      | 2809          | 385      | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 1810          | 770      | 2810          | 385      | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 1801          | 770      | 2801          | 385      | Request for Continued Examination (RCE)                                    |          |
| 1802          | 900      | 1802          | 900      | Request for expedited examination of a design application                  |          |

## FEE CALCULATION

## 1. BASIC FILING FEE

| Large Entity  | Small Entity  | Fee Description | Fee Paid |
|---------------|---------------|-----------------|----------|
| Fee Code (\$) | Fee Code (\$) |                 |          |
| 1001          | 770           | 2001            | 385      |
| 1002          | 340           | 2002            | 170      |
| 1003          | 530           | 2003            | 265      |
| 1004          | 770           | 2004            | 385      |
| 1005          | 160           | 2005            | 80       |
| SUBTOTAL (1)  |               | (\$ 385.00)     |          |

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims       | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 24                 | -20** = 4    | x 9            | = 36     |
| Independent Claims | 3            | - 3** = 0      | x 43 = 0 |
| Multiple Dependent |              |                |          |

| Large Entity  | Small Entity  | Fee Description |     |
|---------------|---------------|-----------------|-----|
| Fee Code (\$) | Fee Code (\$) |                 |     |
| 1202          | 18            | 2202            | 9   |
| 1201          | 86            | 2201            | 43  |
| 1203          | 290           | 2203            | 145 |
| 1204          | 86            | 2204            | 43  |
| 1205          | 18            | 2205            | 9   |
| SUBTOTAL (2)  |               | (\$ 36.00)      |     |

\*\*or number previously paid, if greater; For Reissues, see above

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

## SUBMITTED BY

(Complete if applicable)

|                   |                                      |           |
|-------------------|--------------------------------------|-----------|
| Name (Print/Type) | Registration No.<br>(Attorney/Agent) | Telephone |
| Signature         |                                      | Date      |

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